

Title (en)

Apparatus for synchronizing compressed video and audio signals

Title (de)

Vorrichtung zur Synchronisierung von komprimierten Video- und Audiosignalen

Title (fr)

Appareil de synchronisation de signaux vidéo et audio comprimés

Publication

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Application

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Abstract (en)

[origin: EP0644692A2] An apparatus for generating compressed signals, which can serve to record data with high efficiency, to manage data easily, to reproduce programs in a special manner, to search for data at high speed, and to achieve accurate image-speech synchronization. The apparatus comprises a video-data grouping device (103) for processing video data into groups, each consisting of a predetermined number of video data items corresponding to image frames, a video-data compressing device (106) for compressing and encoding the video data items of each group, an audio-data grouping device (102) for processing audio data corresponding to the video data into groups, each group consisting of audio data items, an audio-data compressing device (105) for compressing and encoding the audio data items of each group, a sub-video data grouping device (104) for processing sub-video data into groups, each consisting of sub-video data items, a sub-video data compressing device (107) for compressing and encoding the sub-video data items of each group, a formatter (108) for combining the groups of compressed video data items, the groups of compressed audio data items and the groups of compressed sub-video data items, thereby generating a data unit, data-separating device (121) for separating the compressed data items, a speech decoder (122) for decoding the encoded video data items, an image decoder (123) for decoding the encoded video data items, a sub-image decoder (124) for decoding the encoded sub-video data items, and a synthesizing device combines the decoded video data items with the decoded sub-video data items. <IMAGE>

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